

Please type a plus sign (+) inside this box [ + ]

Approved for use through 09/30/00. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No.	488-00059	Total Pages	28
		<b>First Named Inventor or Application Identifier</b>			
		Norihiko Furuta			
		Express Mail Label No.	EV342893316US		
<b>APPLICATION ELEMENTS</b> <small>See MPEP chapter 600 concerning utility patent application contents</small>		<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, D.C. 20231			
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form <small>(Submit an original, and a duplicate for fee processing)</small></p> <p>2. <input checked="" type="checkbox"/> Specification [Total Pages <span style="border: 1px solid black; padding: 0 5px;">16</span>] <small>(preferred arrangement set forth below)</small></p> <ul style="list-style-type: none"><li>- Descriptive title of the Invention</li><li>- Cross References to Related Applications</li><li>- Statement Regarding Fed sponsored R &amp; D</li><li>- Reference to Microfiche Appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the Invention</li><li>- Brief Description of the Drawings (if filed)</li><li>- Detailed Description</li><li>- Claim(s)</li><li>- Abstract of the Disclosure</li></ul> <p>3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <span style="border: 1px solid black; padding: 0 5px;">6</span>]</p> <p>4. Oath or Declaration [Total Pages <span style="border: 1px solid black; padding: 0 5px;">2</span>]</p> <p>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</p> <p>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(for continuation/divisional with Box 17 completed) [Note Box 5 below]</small></p> <p>i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>5. <input type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked). The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</p>		<p>6. <input type="checkbox"/> Microfiche Computer Program (Appendix)</p> <p>7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)</p> <p>a. <input type="checkbox"/> Computer Readable Copy</p> <p>b. <input type="checkbox"/> Paper Copy (identical to computer copy)</p> <p>c. <input type="checkbox"/> Statement verifying identify of above copies</p> <p style="text-align: center;"><b>ACCOMPANYING APPLICATION PARTS</b></p> <p>8. <input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</p> <p>9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small></p> <p>10. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>12. <input checked="" type="checkbox"/> Preliminary Amendment</p> <p>13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(Should be specifically itemized)</small></p> <p>14. <input type="checkbox"/> Small Entity <input type="checkbox"/> Statement filed in prior application, Status still proper and desired</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small></p> <p>16. <input checked="" type="checkbox"/> Other: <u>Certificate of Express Mail</u> ..... .....</p>			
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____ / _____					
<b>18. CORRESPONDENCE ADDRESS</b>					
NAME		Peter T. Holsen (Reg. No. P54,180) ANDRUS, SCEALES, STARKE & SAWALL, LLP			
ADDRESS		100 East Wisconsin Avenue Suite 1100			
CITY	Milwaukee	STATE	Wisconsin	ZIP CODE	53202-4178
COUNTRY	U.S.A.	TELEPHONE	(414) 271-7590	FAX	(414) 271-5770

09306 U.S. PTO

10/625308





07/23/03

 Approved for use through 9/30/98  
 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

PTO/SB/17 (10/97)  <h2 style="text-align: center;">FEE TRANSMITTAL</h2>		<b>COMPLETE IF KNOWN</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Application Number</td><td></td></tr> <tr><td>Filing Date</td><td>7/23/2003</td></tr> <tr><td>First Named Inventor</td><td>Norihiko Furuta</td></tr> <tr><td>Group Art Unit</td><td></td></tr> <tr><td>Examiner Name</td><td></td></tr> <tr><td>Attorney Docket Number</td><td>488-00059</td></tr> </table>		Application Number		Filing Date	7/23/2003	First Named Inventor	Norihiko Furuta	Group Art Unit		Examiner Name		Attorney Docket Number	488-00059																																																																																																
Application Number																																																																																																															
Filing Date	7/23/2003																																																																																																														
First Named Inventor	Norihiko Furuta																																																																																																														
Group Art Unit																																																																																																															
Examiner Name																																																																																																															
Attorney Docket Number	488-00059																																																																																																														
Total Amount of Payment (\$ 750.00)																																																																																																															
<b>METHOD OF PAYMENT (check one)</b>		<b>FEE CALCULATION (continued)</b>																																																																																																													
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:  Deposit Account Number <span style="border: 1px solid black; padding: 2px;">01.2000</span>  Deposit Account Name <span style="border: 1px solid black; padding: 2px;">Andrus, Scales, Starke &amp; Sawall, LLP</span>  <input checked="" type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee set in 37 CFR 1.18 at the Mailing Of the Notice of Allowance, 37 CFR 1.311(b)		2. <b>Additional Fees</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105 130</td><td>205 65</td><td>Surcharge-late filing fee or oath</td><td></td></tr> <tr><td>127 50</td><td>227 25</td><td>Surcharge-late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139 130</td><td>139 130</td><td>Non-English specification</td><td></td></tr> <tr><td>147 2,520</td><td>147 2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112 920*</td><td>112 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113 1,840*</td><td>113 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115 110</td><td>215 55</td><td>Extension for response within first month</td><td></td></tr> <tr><td>116 400</td><td>216 200</td><td>Extension for response within second month</td><td></td></tr> <tr><td>117 950</td><td>217 475</td><td>Extension for response within third month</td><td></td></tr> <tr><td>118 1,510</td><td>218 755</td><td>Extension for response within fourth month</td><td></td></tr> <tr><td>128 2,060</td><td>228 1,030</td><td>Extension for response within fifth month</td><td></td></tr> <tr><td>119 310</td><td>219 155</td><td>Notice of appeal</td><td></td></tr> <tr><td>120 310</td><td>220 155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121 270</td><td>221 135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138 1,510</td><td>138 1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140 110</td><td>240 55</td><td>Petition to revive unavoidably abandoned application</td><td></td></tr> <tr><td>141 1,320</td><td>241 660</td><td>Petition to revive unintentionally abandoned application</td><td></td></tr> <tr><td>142 1,320</td><td>242 660</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143 450</td><td>243 225</td><td>Design issue fee</td><td></td></tr> <tr><td>144 670</td><td>244 335</td><td>Plant issue fee</td><td></td></tr> <tr><td>122 130</td><td>122 130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123 50</td><td>123 50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126 240</td><td>126 240</td><td>Submission of Information Disclosure Statement</td><td></td></tr> <tr><td>581 40</td><td>581 40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146 790</td><td>246 395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149 790</td><td>249 395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> </tbody> </table>		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	105 130	205 65	Surcharge-late filing fee or oath		127 50	227 25	Surcharge-late provisional filing fee or cover sheet		139 130	139 130	Non-English specification		147 2,520	147 2,520	For filing a request for reexamination		112 920*	112 920*	Requesting publication of SIR prior to Examiner action		113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action		115 110	215 55	Extension for response within first month		116 400	216 200	Extension for response within second month		117 950	217 475	Extension for response within third month		118 1,510	218 755	Extension for response within fourth month		128 2,060	228 1,030	Extension for response within fifth month		119 310	219 155	Notice of appeal		120 310	220 155	Filing a brief in support of an appeal		121 270	221 135	Request for oral hearing		138 1,510	138 1,510	Petition to institute a public use proceeding		140 110	240 55	Petition to revive unavoidably abandoned application		141 1,320	241 660	Petition to revive unintentionally abandoned application		142 1,320	242 660	Utility issue fee (or reissue)		143 450	243 225	Design issue fee		144 670	244 335	Plant issue fee		122 130	122 130	Petitions to the Commissioner		123 50	123 50	Petitions related to provisional applications		126 240	126 240	Submission of Information Disclosure Statement		581 40	581 40	Recording each patent assignment per property (times number of properties)		146 790	246 395	Filing a submission after final rejection (37 CFR 1.129(a))		149 790	249 395	For each additional invention to be examined (37 CFR 1.129(b))	
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																												
105 130	205 65	Surcharge-late filing fee or oath																																																																																																													
127 50	227 25	Surcharge-late provisional filing fee or cover sheet																																																																																																													
139 130	139 130	Non-English specification																																																																																																													
147 2,520	147 2,520	For filing a request for reexamination																																																																																																													
112 920*	112 920*	Requesting publication of SIR prior to Examiner action																																																																																																													
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action																																																																																																													
115 110	215 55	Extension for response within first month																																																																																																													
116 400	216 200	Extension for response within second month																																																																																																													
117 950	217 475	Extension for response within third month																																																																																																													
118 1,510	218 755	Extension for response within fourth month																																																																																																													
128 2,060	228 1,030	Extension for response within fifth month																																																																																																													
119 310	219 155	Notice of appeal																																																																																																													
120 310	220 155	Filing a brief in support of an appeal																																																																																																													
121 270	221 135	Request for oral hearing																																																																																																													
138 1,510	138 1,510	Petition to institute a public use proceeding																																																																																																													
140 110	240 55	Petition to revive unavoidably abandoned application																																																																																																													
141 1,320	241 660	Petition to revive unintentionally abandoned application																																																																																																													
142 1,320	242 660	Utility issue fee (or reissue)																																																																																																													
143 450	243 225	Design issue fee																																																																																																													
144 670	244 335	Plant issue fee																																																																																																													
122 130	122 130	Petitions to the Commissioner																																																																																																													
123 50	123 50	Petitions related to provisional applications																																																																																																													
126 240	126 240	Submission of Information Disclosure Statement																																																																																																													
581 40	581 40	Recording each patent assignment per property (times number of properties)																																																																																																													
146 790	246 395	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																													
149 790	249 395	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																													
3. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other																																																																																																															
<b>FEE CALCULATION (fees effective 10/01/97)</b>																																																																																																															
1. <b>Filing Fee</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Description</th> <th>Fee</th> </tr> </thead> <tbody> <tr><td>101 750</td><td>201 375</td><td>Utility filing fee</td><td>\$750</td></tr> <tr><td>106 330</td><td>206 165</td><td>Design filing fee</td><td></td></tr> <tr><td>107 480</td><td>207 240</td><td>Plant filing fee</td><td></td></tr> <tr><td>108 690</td><td>208 345</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114 150</td><td>214 75</td><td>Provisional filing fee</td><td></td></tr> </tbody> </table>		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Description	Fee	101 750	201 375	Utility filing fee	\$750	106 330	206 165	Design filing fee		107 480	207 240	Plant filing fee		108 690	208 345	Reissue filing fee		114 150	214 75	Provisional filing fee																																																																																							
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Description	Fee																																																																																																												
101 750	201 375	Utility filing fee	\$750																																																																																																												
106 330	206 165	Design filing fee																																																																																																													
107 480	207 240	Plant filing fee																																																																																																													
108 690	208 345	Reissue filing fee																																																																																																													
114 150	214 75	Provisional filing fee																																																																																																													
SUBTOTAL (1) (\$ 750.00)																																																																																																															
2. <b>Claims</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Extra</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103 18</td><td>203 9</td><td>Claims in excess of 20</td><td></td><td></td><td></td></tr> <tr><td>102 78</td><td>202 39</td><td>Independent claims in excess of 3</td><td></td><td></td><td></td></tr> <tr><td>104 270</td><td>204 135</td><td>Multiple dependent claim</td><td></td><td></td><td></td></tr> <tr><td>109 82</td><td>209 41</td><td>Reissue independent claims over original patent</td><td></td><td></td><td></td></tr> <tr><td>110 22</td><td>210 11</td><td>Reissue claims in excess of 20 and over original patent</td><td></td><td></td><td></td></tr> </tbody> </table>		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Extra	Fee from below	Fee Paid	103 18	203 9	Claims in excess of 20				102 78	202 39	Independent claims in excess of 3				104 270	204 135	Multiple dependent claim				109 82	209 41	Reissue independent claims over original patent				110 22	210 11	Reissue claims in excess of 20 and over original patent																																																																													
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Extra	Fee from below	Fee Paid																																																																																																										
103 18	203 9	Claims in excess of 20																																																																																																													
102 78	202 39	Independent claims in excess of 3																																																																																																													
104 270	204 135	Multiple dependent claim																																																																																																													
109 82	209 41	Reissue independent claims over original patent																																																																																																													
110 22	210 11	Reissue claims in excess of 20 and over original patent																																																																																																													
SUBTOTAL (2) (\$ 0)																																																																																																															
		SUBTOTAL (3) (\$ 0)																																																																																																													
		*Reduced by Basic Filing Fee Paid																																																																																																													
<b>SUBMITTED BY</b>		<b>COMPLETE (if applicable)</b>																																																																																																													
Type or Printed name	Peter T. Holsen Andrus, Scales, Starke & Sawall, LLP	Registration Number	P54,180																																																																																																												
Signature		Date	7/23/2003																																																																																																												
		Deposit Account User ID																																																																																																													

CERTIFICATE OF EXPRESS MAIL

This is to certify that this correspondence is being deposited with the United States Postal Service as EXPRESS MAIL POST OFFICE TO ADDRESSEE in an envelope addressed to Commissioner of Patents and Trademarks, Washington D.C., 20231 on July 23, 2003. The Express Label is EV342893316US.

Barbara A. Johnson  
Name

July 23, 2003  
Date

Barbara A. Johnson  
Signature

7-23-03  
Date